GRUMMAN plane news

Vol. 34, No. 15, Bethpage, N.Y., August 29, 1975

Elect Kane, sales director, Guarino, E-2 head, to V.P.

Grumman Aerospace has two new vice presidents — Tom Kane, director of Customer Requirements, and Tom Guarino, director of E-2/C-2 programs — as a result of action taken at a Board of Directors meeting on Wednesday, August 20.

Kane, who came to Grumman in 1959 as a flight test engineer following a tour of duty as a Navy carrier pilot, has been associated with marketing for 15 years, which included assignments as A-6 manager and several other key Navy aircraft programs. In addition to study completed at Manhattan, Hofstra, and Columbia, Kane was selected, in 1971, to attend the 13-week Program for Senior Executives at M.I.T.

A world traveler in his quest to bring additional aircraft programs to Grumman, Tom spends some of his leisure time at tennis and paddle tennis, sports that also involve his wife Jane. Tom and Jane Kane reside in Babylon with their three children.

Guarino, who has been with Grumman for nearly 15 years, has been E-2 director since 1970 and spearheaded the drive since that time to get the newest "C" version

Tom Kane

Tom Guarino

of the airborne-early-warning and intercept-control aircraft through its initial development phases into fleet operational service. Following the completion in May 1975 of the E-2C's first deployment aboard the carrier Saratoga, the Navy described the plane as having performed "superbly."

(Continued on page 3)

Put Tomcat on review for Iranian F-14 chief

On August 7 and 8, Brig. General Minu Sepehr of the Imperial Iranian Air Force (IIAF) visited Grumman facilities on Long Island. General Minu Sepehr, recently appointed IIAF's F-14A program manager, visited Grumman on the first two days of his 15-day United States trip to become more familiar with the F-14 Tomcat program.

During the general's Grumman visit, he met with Board Chairman Joe Gavin and President George Skurla, and toured the Plant 1 production line where he inspected the first IIAF F-14A presently under assembly. The first of 80 Tomcats scheduled for delivery to the Iranian government in January 1976 has since been transported to Plant 6 for final assembly.

While touring the Bethpage plants, General Minu Sepehr took a "flight" in the Operational Flight Trainer (OFT) in Plant 4 and reviewed the training operations for IIAF maintenance personnel in Plant 39.

At Calverton, the general toured the Plant 6 production line, the VAST facility, and was given an F-14A cockpit checkout in Plant 7.

Also included on the agenda during the general's two week trip to the United States were visits to NAS Miramar, NAS Pt. Mugu, Hughes Aircraft Company in Arizona, Washington D.C., and the Weapons System Operator school in NAS Pensacola. While at NADC Patuxent River, General Minu Sepehr flew in the WSO position in the Tomcat.

Tomcat briefing. During tour of Grumman facilities, IIAF General Minu Sepehr is shown: (above right) with Vice President Mike Pelehach and chief test pilot Chuck Sewell (R) in Plant 7; (above left) with test pilot Joe Burke in the OFT in Plant 4; and (at right) touring Plant 6 with plant manager Frank Leone (R) and Dick Barton, managing director, F-14 operations in Iran.

people

Being a licensed private and glider pilot gives a hint of where George Skurla's interests lie ... and being president of Grumman Aerospace as well, it's not too surprising when he exhibits such intense interest in any new flying machine — especially when it belongs to another aerospace company. At the Paris Air Show a couple of months ago, Skurla got the opportunity to get the feel of the new General Dynamics YF-16, and with an assist from an Air Force officer (above) got a cockpit briefing on the new lightweight fighter.

What impressions did he bring back with him on the new plane? "Notwithstanding the YF-16's great air-show performance capability, I still say the Tomcat is the world's best total air-superiority fighter, and I looked them all over at the Show."

Get new posts ...

Among those who recently received changes in assignments were: TECHNICAL OPERATIONS — Murray Bernstein, Dynamics; Joseph M. Le Strange, Weapon Systems; R.E. Hooson, Fatigue Analysis; Edwin Lerner, Structural Mechanics, all technical specialists; Barnet Frumkin, group head, Maintainability Design, all in Product Engineering; and in Product Support: Seymour J. Baldel, section head, Customer Orders and Records.

Others who have new posts include: MANUFACTURING OPERATIONS — Vincent McAvoy, supervisor, Final Assembly; Walter Aims, assistant manager, Production, both of Plant 1; George Ford, Jr., foreman, Steel Parts — Sub Assembly, Plant 2; and in Plant 3: Santo Licciardello, F-14 Wing Assembly; Richard Bowe, F-14 Major Assembly, both foremen; CALVERTON OPERATIONS — Edward Mantell, electronic systems technology manager, Engineering.

Second sight ...

What do you do with your old eyeglasses? If you have a habit of discarding them, send them instead (through inter-office mail) to Vito Linsalato, Dept. 752, Plant 34C. He collects old eyeglasses through a program called "Eyesight for the Needy" to assist those who don't have the money to pay for new ones. The program is sponsored in this area by the South Country Lions Club; contributed glasses are forwarded to the organization's headquarters in Short Hills, N.J.

Never too late ...

"Too little is ever said about the good work of the people who quietly and efficiently make things go." Those were the words used by Pete Oram, President of Grumman International, and Ed Zolkoski, Vice President of GII, in a note to Grumman Aerospace President George Skurla to describe the efforts of the men and women in Out-of-Production Supply Operations. And the two went on to commend "the diligent efforts and can-do attitude" of Bob Bailey, Lou Geneve, Ernie Prodromides, and the entire OOPS team who handle that supply work since the "5-S program has been an outstanding and most profitable success for both GAC and GII."

'Most rewarding'

"Getting in on the ground floor of a project and having a hand in building it into an organized structure is most rewarding," says Sue Dalva of Personnel Development.

Since March, Dalva has been on loan two days a week organizing the Career Guidance Institute for the National Alliance of Businessmen (NAB). NAB is a federally-funded organization of local business people working in conjunction with various federal, state, and local agencies.

As director of the Institute, Sue has established a Career Guidance Speakers Bureau which will work in cooperation with the work-experience program of the Neighborhood Youth Corps. The program will centralize a network of industry speakers who will address local high school youths in career education and guidance. The program will allow for greater interaction and information among business people, students, teachers, counselors, and administrators.

Since her assignment for the National Alliance of Businessmen ended this week, Sue is "very anxious to see how the new program will work starting in September."

Sue Dalva

calendar

Coin Club (Bethpage): Every Wed., 12:05 p.m., vendor conference room, Pl. 25; informal lunchtime meeting. Ken Hale, Ext. 1936.

Coin Club (Calverton): Every Fri., 1st lunch period, instrumentation conference room, Pl. 6; visitors welcome. Jerry Kreussling, Ext. 57-6844.

Chess Club: Every Tues., 5 p.m., Pl. 30 cafe; guests welcome. Pat Charovkine, Ext. 7915.

Fencing Club: Every Mon., 4:30-6:00 p.m., Pl. 30 cafe. George Kegney, Ext. 86048.

GAC Divers: Wed., Sept. 10, 5 p.m., Pl. 28 auditorium; general membership meeting; guests welcome. Steve Failer, Ext. 1565.

GACE Flying Club: 2nd Fri. of each month, 5 p.m., Pl. 28; FAA film, business meeting; speakers — "Hangar Flying". Betty Schledorn, Ext. 7372.

Grumman Toastmasters Club: Wed., Sept. 3, 5 p.m., Pl. 25 conference room 1C; regular meeting; guests welcome. Frank Locascio, Ext. 3683.

Retiree Club: Wed., Sept. 24, 1:30 p.m., Holiday Manor; regular monthly meeting. Rete Looney, Ext. 2133. Florida Chapter monthly meeting Sept. 23, 11:30 a.m. S & S Cafe, Sears Shopping Center, Clearwater.

Society of Manufacturing Engineers: Mon., Sept. 8, 8 p.m., Polytechnic Institute of Bklyn. Graduate Cntr., Farmingdale; L.I. Chapter 88; Mfg. Technology — Industry Direction; guest speaker: Thomas Main, Director Mfg. Tech., GAC, guests welcome. Sol Schneider, Ext. 2844.

Stamp Club: First 3rd Wed. of each month, 5 p.m., Pl. 30 cafe. Steve Hoops, Ext. 3926.

obituaries

GERALD J. CALLISTEIN of Support Equipment Services, Plant 94, died July 22 at the age of 53. He had been with the company since 1974 and lived at 4420 E. Honeygrove Court, Virginia.

CHARLES A. REINHARTSEN of Production Management and Staff, Plant 7, died July 22 at the age of 59. He had been with the company since 1952 and lived at 155 Blue Point Road, Selden.

LEONARD WIELAND of N/C Machines, Plant 3, died August 1 at the age of 55. He had been with the company since 1966 and lived at 163 Red Maple Drive E., Levittown.

CLARENCE W. HULSE of Repair Control, Plant 6, died August 1 at the age of 55. He had been with the company since 1942 and lived at 84 Colonial Street, E. Northport.

ROBERT MOODY of Maintenance — Rearrangement, Plant 1, died August 2 at the age of 56. He had been with Grumman since 1951 and lived at 2161 Van Nostrand Avenue, N. Merrick.

PAUL LANGONA of Technical Ops Support, Plant 30, died August 11 at the age of 55. He had been with the company since 1952 and lived at 75 Pickwick Lane, Babylon.

ANN SICA of Telephone Services, Plant 30, died August 11 at the age of 59. She had been with the company since 1969 and lived at 348 Chambers Avenue, East Meadow.

RICHARD JOSEPH VLAUN of P/S Supply Data, Plant 15, died August 11 at the age of 57. He had been with the company since 1964 and lived at 10 Wexford Street, Huntington.

WILLIAM D. WOLFE of Production, Plant 43, died August 13 at the age of 50. He had been with Grumman since 1966 and lived at 152 N. Huron Street, Ronkonkoma.

EDWARD S. WHITLOCK of Mechanical Structure and Prototype, Plant 05, died August 13 at the age of 59. He had been with the company since 1946 and lived at 4 Robert Avenue, Hicksville.

Art out of this world at Planetarium exhibit

The latest exhibit at New York City's Hayden Planetarium contains a series of pictures that might strike the uninitiated as landscapes from another planet or portraits of some alien beings.

After examining the accompanying photographic text, however, the visitor realizes that these exotic forms are, in fact, comparatively mundane alloys of different metals magnified by a scanning electron microscope. Yet the unearthly flavor of the Planetarium's photo exhibit is not meant to be misleading — all the specimens portrayed were produced by melting and solidifying alloys in the zero gravity of outer space. Only a zero gravity environment can produce the unique forms on view at the Planetarium.

The weird beauty of most of the pictures is only a by-product of larger scientific goals, however. Many metallurgists believe that the processing of metals in a zero-gravity vacuum environment may some day form the basis for giant new space industries. The encouraging results from the Skylab processing experiments (those pictured at the Planetarium) led to follow-up experiments aboard the recent Apollo-Soyuz mission. Additional experiments will also be performed using sounding rockets until the advent of the Space Shuttle and the more ideal conditions obtainable aboard that spacecraft. Previously, experimenters have used drop-towers and high-speed aircraft in an attempt to approximate the near-zero gravity possible in space. All exhibit photos are the work of Grumman Research scientist Dave Larson who served as principal investigator for the Skylab experiments.

All exhibit photos were created by Dick Waldmann of the Bethpage Photo Lab, who handled all the photo printing and enlarging. The display was designed by Ted Kole of Presentation Services.

Like modern art

Science and industry aside, many visitors to the Planetarium are impressed by the pictures' intriguing similarity to modern art.

"I think this exhibit shows the artistic potential of metal solidification. After all, we're familiar with the magnified beauty of snowflakes, which are nothing more than the solidification of water," says Larson, who started out as an art student before going into engineering. "I feel these photos are more artistic than pictures of soup cans," he adds, "although not up to the level of the French impressionists."

You can visit the Hayden Planetarium and the NASA/Grumman exhibit any day from noon until 5:00 pm. The admission charge of $1.75 (adults) includes the Planetarium's current Sky Show.

Grumman Research scientist Dave Larson briefs reporters at opening of exhibit of his space processing photos at Hayden Planetarium. Photos on exhibit ranged from magnifications of 60x to 15,000x as viewed.

New V.P.s ...

(Continued from page 1)

Guarino, who holds a physics degree from C.W. Post and a Master's in industrial management from Columbia, was assigned to advanced systems when he first arrived at Grumman where he helped pioneer what later developed into the EA-6B electronic countermeasures plane. In 1964 he was named systems project engineer on the EA-6B, and over the next six years served as electronics project engineer, engineering manager, and, finally, program manager.

Tom, a member of the championship Grumman tennis team, lives with his wife Kathy and their two children in Garden City.

Semi-conductor display

A three-day conference on semiconductors will be held September 17-19 at the Nassau Coliseum. The conference, entitled "Semi-con/East," is sponsored by the Semiconductor Equipment and Materials Institute and will include daily technical sessions on semi-conductor technology.

Admission is $5, payable at the door. For further information contact Mr. Randy Bush, Geos Corporation (Tel: 203 357-0400).

Give blood-save a life

They're doing it in Copenhagen, Oslo, London, and Tokyo, but not, unfortunately, in New York or anywhere in the New York area. What they're doing in those far-away places is assuring an adequate supply of high quality blood for the health needs of the community.

Though New Yorkers donate 360,000 units of blood each year, another 240,000 must be purchased from commercial blood banks to satisfy the area's needs. And, due to the nature of the paid-donor population, this commercial blood carries a high risk of hepatitis transmission. Therefore, says Inter-County Blood Services officials, it's vitally important for as many volunteer donors to contribute as possible.

Under a new program, Grumman people will be able to contribute through convenient monthly donation-days, scheduled for the third Friday of each month. The process is routine and quick. After you get a brief medical history and exam, you lie down on a couch and receive what feels like a pin prick in the arm. A few minutes later it's over. You can donate as often as every-other-month with complete safety (though no more than five times a year).

The great majority of healthy people can give blood. The only important exceptions are for age (you must be between 17 and 65 inclusive), weight (110 pounds or more), and previous illness (a medical history of hepatitis or jaundice bars blood donation because of new regulations).

For further information on how you can give the "gift of life," contact your ESO office. It's best to make an appointment at least one week ahead of time, though every effort will be made to accommodate late registrants.

GRUMMAN plane news

Published twice a month for the employees of Grumman Aerospace Corporation, Bethpage, N. Y. 11714, as a function of the Public Affairs Dept., Vice President J. B. Rettaliata, director.

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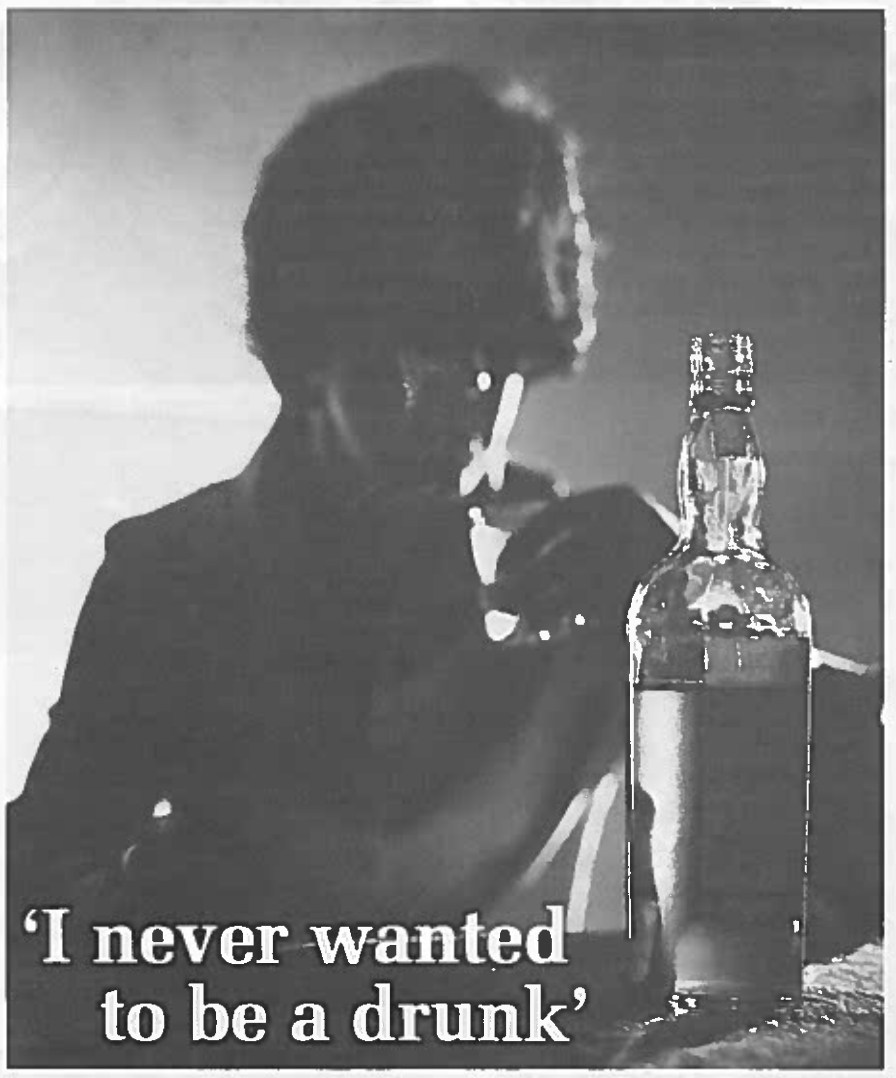

'I never wanted to be a drunk'

(Sally T. is a fictitious name for a very real human being. She's a Grummanite who also happens to be a recovered alcoholic. This is her personal account of what she now calls her "26-year binge.")

"I began drinking at the age of 15 to be one of the crowd — an equal to my peers. I liked everything about alcohol: the atmosphere, the good feeling, the taste. Imbibing only on weekends, never was much trouble for me. I graduated from high school in the upper portion of my class.

"My first job was with a bank. I subconsciously singled out the drinkers in the company. We'd stop after work for one or two drinks. ... I usually wanted to stay for more, but everyone else didn't ...

"I came to Long Island and Grumman 15 years ago, and from that date, my drinking changed from weekend to daily to round-the-clock at the end.

"I was a bar drinker. I liked the atmosphere. Without my being aware of it, drinking was becoming more and more important to me. I was in trouble with the booze, maybe four or five years, before I really knew it.

"Time went on and things got worse. I developed a kind of 'so-what' attitude. I had a couple of more automobile accidents. I was a mess. Some good friends tried to tell me, but most of my friends were big drinkers too — those were the kind of people I gravitated to — so it was hard for them to see.

"I had a good work record and was proud of it. My rationalization was that if I worked three times as hard as anyone else then when the ax falls I'll be all right. Toward the end, I could be a tremendous worker one day, but the next, a do-nothing. I was dishonest with myself; I didn't want to admit that alcohol was controlling my life.

"I managed to come to work every day ... but towards the end my attendance was getting erratic. I couldn't perform properly, but I thought I was. I had to push myself. To get done what I could normally accomplish became too much of an effort. It was like running through quicksand.

"In 1973, a fellow Grummanite with whom I lived died of cirrhosis of the liver. She never knew what was killing her ... and neither did I. Deny, deny, deny. Blackouts began. I would wake up the next day, secure in my home, and not remember getting there ... nor the conversations I had the night before. I'd get up and see if the car was there ... and it was usually neatly parked in the driveway.

"I was picked up for drunken driving. But that wasn't the only time that I mixed driving and drinking ... there were others. I remember waking up in my car on Bethpage State Parkway, not knowing how I got there. A cop was banging on my window. He just asked if I was all right ... I told him I was just resting.

"I was using my friend's death for an excuse to drink. I was saying, in effect, 'poor me ... my whole life is going to change' ... so, I jumped inside the bottle and pulled the cork in after me and 'now everybody would understand' ... The nightmare lasted for six months.

"I lost 75 pounds ... had malnutrition ... optic nerve damage (which almost drove me to blindness) ... alcoholic neuritis ... and an enlarged liver ... But all these physical ailments had been progressing for years. The last six months were unreal.

"I went to a doctor and he said: 'You really should stop drinking.' I replied 'Oh, okay.' It would be easy. He gave me valium 'for my nerves', but I didn't want to take pills and become addicted. (Still denying to myself that I was truly addicted to alcohol — a slave to the booze.) Within four days I was drinking again.

"Never wanting to go home to a lonely house, I drank at the bars after work and in the morning to hold myself together. I tried to kid myself with the rationalization of an alcoholic; I rarely missed work (but how many times did I arrive the next day unable to perform); I never brought a bottle to work; sure, I drank at lunchtime.

"Well, it got worse and worse. Finally one day I came into work ... with the whole world falling apart. It was falling on me ... I felt like I was going to die.

"My boss took me to the Medical Department. I was placed in a hospital for a supposed 'anxiety depression.' Four days after my discharge I was picked up for drunken driving. I spent the night in jail feeling terrible and degraded.

"A week later I came back to work and everyone asked how I was and I said 'fine.' Seven days later I came home and sat in my kitchen with a bottle of scotch (no longer the social atmosphere of the bar) and a bottle of valium. It was the first bit of honesty I had gotten. I looked at the bottle and said, 'You can't beat that,' and crushed the 60 valium tablets, poured six ounces of liquor on top of them and drank it.

"I sat and waited ... nothing seemed to be happening. But I was getting groggier. It was time for work and, tidying up my last commitment, I called my boss. He asked what was the matter, and I told him. Within minutes the police emergency squad was at my door.

"After intensive care — I was in a coma for four days — and five additional days in the hospital, I went to Georgia to visit a friend (running from myself as usual). When I returned home, I had to go to court. My license was revoked. And somehow, that did it. I called Personnel Relations, and said I'm not coming into work. They gave me an additional week to straighten myself out. I then went on the last four days of my 26-year binge.

"I never intended to be an alcoholic ... never wanted to be a drunk ... those last four days were a nightmare.

"The rest is so painful, I still cringe. I remember lying out in the parking lot of our apartment with the sun coming up and having to crawl on all fours so I could get inside so the neighbors wouldn't see me. Inside my home, I feared leaving the inside to go outdoors. Complete and total despair ... I felt no hope ... I tried to die and I couldn't even make a success of that. Finally, I called AA. I was shaking ... my depth perception was completely gone. Four wonderful women from AA came and took me to a meeting of Alcoholics Anonymous at South Oaks hospital. They wanted me to stay for they feared I was going into an alcoholic convulsion. On the way back home, I decided to admit myself into the hospital program.

"Rehabilitation for 24 hours a day. I learned that 'I'm not a moral leper, I have a disease.' In seven weeks I was sober ... not just dried out. I listened to everyone there; I was desperate — I wanted to get better. And, I did, through the help of many marvelous physicians, counselors, and AA members. I'm back to work now. I've been treated with absolute fairness and the same concern afforded others when they return from a protracted illness. Now I live one day at a time. I attend AA meetings each week, have become deeply involved in trying to help others suffering from the disease, and have just been accepted for a course that will prepare me to become an alcoholic counselor.

"Today, for the first time in a very long time, I am free."

Rx for alcoholics – treatment not protection

Over 60 percent of the American adult population drink. For most of them, drinking is a pleasure — followed only by an occasional headache. They drink to celebrate, to relax, and to have a good time.

So, what's so bad about drinking? For the average imbiber ... usually nothing. But for the potential alcoholic the song carries a different beat ... the light frivolous tune soon turns into a dirge.

Medical authorities are nearly unanimous in their recognition of alcoholism as a disease, including the World Health Organization, the American Medical Association, and the American Psychiatric Association.

The alcoholic suffers from one of mankind's most insidious diseases. According to the National Council on Alcoholism, alcoholism is a complex, progressive disorder; it creeps up on its victims and grows more virulent year by year. If not treated it ends, with few exceptions, in permanent mental damage, physical incapability, or early death.

"An alcoholic, as it applies to industry, is a problem drinker; he or she is an individual who has repeated or continual over-indulgences that interfere with efficient performance as it applies to his or her work," says Dr. Robert Jessup, Grumman's Medical Director.

Many people cringe when they hear the word "alcoholic" because some associate the term with "skid-row bums." But that grouping constitutes only three percent of America's seven million alcoholics. Eighty percent of the people suffering from alcoholism are working, and, in most instances, living with their families. Alcohol afflicts all sorts of people as impartially as cancer, diabetes, or heart disease.

Statistics indicate that business loses approximately $7-billion per year due to alcohol abuses. The alcoholic in industry has a record of high absenteeism, poor reliability, sporadic efforts at productivity, and an uneven level of performance. He or she is often a long-time employee, an individual in whom the company has invested many years of training, and a person who should be in his or her most productive years. In certain lines of work, alcoholics present a serious safety hazard, both for themselves and those working with them. And, in almost every case, the individual is a cause of lowered morale among fellow employees.

According to statistics, one out of every 10 people is alcoholic or a potential alcoholic. Considering those statistics, it should be understandable that when an employee's job becomes affected by alcoholism, the great majority of companies — through professionally-trained representatives — believe they have the right and obligation to get involved.

In the past, alcoholism has been approached on an individual case basis; but, recently, a company-wide alcoholism program has been initiated at Grumman Aerospace.

This program assures that an employee suffering from alcoholism will receive the same consideration and opportunity for treatment presently extended to employees with other illnesses; and it encourages people who have the disease, either in the beginning or well-developed stages, to seek diagnosis, and, when indicated, to follow through with prescribed treatment.

Treatable illness

"Grumman recognizes alcoholism as an illness which is treatable," says Tom Conley, Personnel Relations representative, "and we will attempt to educate all supervisors in helping to identify alcoholics and aid them in seeking a successful recovery. The company is concerned with both its effect on the employee's job performance and his or her health. The basic objective of the program is rehabilitation, not punishment."

According to Conley, the alcoholic's immediate supervisor is the key to the success of the corporate program because he or she is in the best position to know the extent of absenteeism, personality problems, and deteriorating job performance that usually accompany the excessive use of alcohol.

Starting September 10, Peter Sweisgood of the Long Island Council of Alcoholism (LICA) will address Grumman supervisory personnel to initiate a one-year educational program on alcoholism. "For too many years, supervisors everywhere have 'protected' the alcoholic," says Sweisgood. "Giving the employee less and less responsibility must no longer be condoned or considered compassionate. By covering up such an illness a supervisor could very well be allowing a person to kill himself."

A few of the indicators of a drinking-problem that supervisors are asked to assess over a period of time are: increased nervousness or drowsiness; increased absenteeism and unusual excuses; extended lunch periods; hand tremors, red or bleary eyes; drastic mood changes, especially after lunch; spasmodic work pace; excessive absences from work station.

There are rehabilitation centers that educate and medically treat the patient in all aspects of the disease and stress the need for continuing treatment through involvement with such programs as Alcoholics Anonymous (AA).

The company realizes the value of such treatment, says Conley. Alcoholism is treated as any other illness, and should hospitalization be required, full hospital benefits are covered; i.e., full semi-private rate up to 365 days.

In-house facilities that assist alcoholics are the Medical Dept., Ext. 2101, or Personnel Relations, Ext. 3521.

Facilities outside Grumman are: Long Island Council on Alcoholism — 747-2606; Alcoholics Anonymous — Suffolk County 654-1124; and in Nassau County — 627-6050.

Century mark. Late last month a ferry crew from VRF-31 on the West Coast arrived at Calverton to take delivery of the 100th A-6 Intruder to be modified to the A-6E configuration. Pictured here turning over the M-100 log books to Lt. Cdr. Lynn Cheney (2nd L) and MH1C Don Lewis (L) are Lt. Cdr. Jim Berry (2nd R) and A-6 Mod manager John Hughes. When they departed from Calverton, Cheney and Lewis headed the A-6E toward NAS Whidbey where it was turned over to VA-165.

Making a list ...

The fall/winter 1975 Grumman telephone directory will go to press shortly, says Al Zoitke of Telephone Services, and he's appealing to Grummanites to check and make sure their listing in the directory is correct. If it is not correct, here's what you should do:

- Listings in the directory should be on a restricted number (one that is only for inter-plant calls) when possible. Should you list a restricted number, please list an unrestricted number on which you can be reached for outside business or emergency calls. The unrestricted number will be kept on file by the Grumman information operator.
- Complete a G4936 listing card.
- Listing cards are distributed through ESO offices or Telephone Services, Plant 30, Ext. 84800.
- Mail the completed card to the Chief Operator, Plant 2.

By following this procedure you will be assured of a correct listing in the new directory.

CREDIT UNION NOTICE

Hurdman and Cranstoun, Certified Public Accountants, acting in behalf of the Supervisory Committee of the Bethpage Federal Credit Union, has recently forwarded confirmation requests as to share and loan balances to the following members: *permanent numbers 18 through 82534*. (Your Credit Union number is comprised of your six digit permanent number preceded by control numbers.)

This is a routine audit operation prescribed by Federal regulations for the protection of the members. If your permanent number is within the group listed above and you DID NOT receive a confirmation request, please tear out this notice, write your name, permanent number and telephone extension in the space below, and forward through the inter-office mail to Hurdman and Cranstoun, Plant 30.

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service milestones

40

Edward S. Combes, Dets. & Subs. Fab. Mgmt. (2)

Melville Bray, Config. Data Mgmt. (25)
Eric A. Sandelin, Sub-Assy. Maj. (27)
Arthur N. Mowery, Ind. Engg. — Sched. & Status (30)
Herman P. Wenz, P/S Equip. Tech. Mgmt. (35)
Stanley P. Popielaski, Ctr-Sect Maj. & Subs. (36)
James B. Aherne, Struct. Des. (40)
John A. Wallace, Des. Engg. Proj. Engg. (40)
William C. Craft, Training Sys. (43)
Charles G. Layman, Engineering (88)

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Louis J. Trapani, Prototype (1)
Louis Fedeli, Steel Pts. Assy. (2)
Edwin Petterson, Propulsion Test (2)
Leroy A. Abrams, Prod. Ctl. — Pts. Ctl. (2)
Walter Wenchel, Static Test (5)
Stanley Coljeski, Fluids (6)
Richard A. Pollog, Flight Dev. Ops. (7)
Reno J. Nicoli,Land Gear Carrier Suitability (15)
Robert F. Meehan, Mgr. Stock Rooms (17)
Michael DeMeo, Ship & Spares Consolid. (17)
William J. Noonan, QC Supplier (30)
Randolph H. Bynde, Prog. Estim/Pricing (30)
John F. Grosskurth, Prod. Plt. — Mgmt. & Stf. (36)
Henry S. Carpenter, Training & Dev. (39)

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Michael F. Cycon, Insp. — Mech. (1)
Nelson J. Giordano, Dispatching (2)
Stephen J. Petrowski, Presentation Serv. (2)
Harry Spruchman, Insp. — Mech. (2)
Edwin J. Brooks, Insp. — Mech. (2)
Warren Velsor, Center Sect. Final (3)
William I. Butler, N/C Mach. (3)
Joseph S. Vanderloski, Trans. — Ops. (3)
Peter Kurajian, Maint. — Rearrangement (3)
Bernard J. Morgenstern, Veh. Liaison Engg. (3)
Robert E. Van Dyke, Insp. — Mech. (3)
Thomas J. McGowan, Plans. & Prop. Mgmt. & Stf. (5)
Albert V. Baker, PRO — Space (5)
Richard J. Nahodyl, Adv. A/C Sys. (5)
John Stadnicki, Maint. — Rearrangement (6)

15

Michael Keda, Fuselage Assy. (1)
Theodore Romer, Planning Mgmt. & Stf. (1)
Dominick A. D'Amico, Methods Eng. (1)
John J. Edmonds, Ordnance (2)
Richard L. Benson, Honeycomb Prep (3)
Edward J. Roe, Food Service (3)

Gilbert T. Chan, Training & Dev. (6)
William E. Hansen, Ordnance (6)
William M. Clough, Plant Stores (6)
George M. Lofsten, Warehouse (6)
Erwin Bruns, Mech. Sys. (6)
Edwin W. Ferris Jr., Instrum. Proj. (7)
Stanley W. Wiercinski, Mgmt. & Stf. (8)
Joseph A. Massa, Plant Store (14)
Henry A. Mulligan, Plant Protection (18)
Karl A. Watjen, Property Disposition (21)
Viola R. Rucker, Dist. Serv. (25)
Elena M. Kranz, Repro. Serv. (25)
John F. Nordin, Mass Prop. Consol & Contrl. (25)
Donald Colquhoun, Adv. A/C Sys. (25)
Donald J. Cook, Adv. A/C Sys. (25)
Nathan Kirschbaum, Adv. A/C Sys. (25)
Richard L. Kline, Engg. Mgrs. (25)
Edward J. Reardon, Comm. Admin. & Stf. (30)
Harry T. Breul, Sys. Sciences (35)
Robert Hurtig, Final Assy. (36)
Dickerson F. Cutler, P/S Verif. & Prod. Support (36)
Walter J. Stehlin, Router & Shear (37)
Ellis Beyer, Chem. Engg. & Process Stand. (40)
Richard A. Schwier, Production (43)
Peter L. Treffeisen, Production (43)
Charles W. Eppelsheimer, Mfg. Insp. (44)
James F. Morgan Jr., Prod. Mgmt. Ops/Stf. (77)
Robert F. Grover, Prog. Contracts (77)
Robert N. Larsen, P/S Logistics Serv. (79)
Bruce C. Gray, Production (88)
Max E. Hendrickson, Quality Control (88)

Victor J. Liotta, Elec. Test (4)
Frank Sacca, Static Test (5)
Charles W. Schmidt, Support Equip. Prod. (5)
Roy T. Arzberger, Prod. Ctl.—Pts. Ctl. (5)
Albert S. Haberski, Pl. 14/26 Instr/Mgmt. & Stf. (5)
Jerome Winsten, P/S Sys. Tech. Mgmt. (5)
Walter B. Monsen, P/S Sys. Tech. Proj. Mgmt. (5)
Samuel S. Koeppel, Presentation Serv. (5)
Norman D. Dvoskin, Ops. Analy. & Plng. Research (5)
John H. McErlean, P/S Digital Engg. (6)
Michael J. Morouney III, Maint.—Facl. Equip. & Gen. (6)
George J. Bjertnes, CMS Training—Iran (6)
Joseph W. Shableski, Structures (6)
Noveil Prescott, Support (6)
Marvin C. Thorne, Safety (6)
James A. Barrie, Mfg. Inspect. Elect. (6)
Edward J. Booth Jr., Flight Ops. (7)
Henry T. Wagner, Flight Avionics (8)
Roy H. Ingemarson, Rec. Insp. Elect Test Lab. (8)
Thomas A. Maher, Maint.—Rearrangement (12)
Walter Schwenk, Adv. Matl. & Process Dev. (12)
Edmond F. Boivin, P/S Digital Engg. (15)
Kenneth G. Koehler, Progr. Mgmt. E-2 (15)
Thomas A. Franza, PPO—A6 & Misc. (25)
Anthony J. Caulfield Jr., Stabil. & Control Equip. (25)
Jerome M. Lester,, Prog. Mgmt. A-6 (25)
Edward A. Kunz, Sub-Assy. (27)
Lawrence J. Kolodzeski, Chem. Engg. & Process Stand. (27)
Dr. Achille A. Baldassarri, Medical (28)
Salvatore J. Sinacore, Seller Des. Equip. (30)
John B. Lynch, Stk. Cntl. Data (30)
Adam D. Bowman, Pt/Proj. Eng.—Elect. Eng. (30)
James M. Walsh, Contract Termination (30)
Frank J. Wulforst, P/S Prod. (34)
John T. Graham, Research Tech. Support & Ops. (35)
Douglas P. Murray, P/S Visual Aids (39)
Donald K. Hiestand, P/S Verif. & Prod. Support (40)
Lydia L. Mallonee, Prog. Mgmt. EA-6B (40)
Frank J. Mele, Production (43)
Clyde W. Cain Jr., A/C Sys. Serv. (79)
John C. Brown, A/C Sys. Serv. (81)
James W. Simms, Ctr. Maint. Serv. (87)
George A. Vengroski, Production (88)

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Walter A. Ahlstedt, Prototype (1)
James Wapniarski, Sub-Assy. Maj. (1)
Robert F. King, Propulsion Test (2)
Frank P. Howell, Flight Ops. (4)
Felix Von Schwanen, Flight Ops. (4)
Adelaide L. McKay, Assist. Corp. Secy. (5)
Charles Stewart, Main. - Facil. Equip. & Gen. (6)
Stanley J. Hauser, Trans. — Ops. (7)
Elmer H. Evans, Requirements Plng. (30)
Grover A. McCombs, Prog. Contracts (35)
Elizabeth R. Gardner, Material M/S (43)
George W. Simpson, Plexiglass (66)

A. Emanuel

H. J. Schaal

J. T. Earl

T. O'Neill

J. A. Allen

F. Stempien

A. R. Westerfeld

25

Andrew Emanuel, Major Assy. (1)
Harry J. Schaal, E.B. Weld Prod. (2)
John T. Earl, Insp. — Mech. (2)
Thelma O'Neill, Prod. Plt. - Mgmt. & Stf. (3)
John A. Allen, Prod. Ctl. — Pts. Ctl. (3)
Frank Stempien, Trans. — Ops. (3)
Arthur R. Westerfeld, Resources (6)
David E. Farabaugh, Lab. Mgmt. & Tech. (14)
Harold B. Charlton, PPO — F-14 (15)
Vincent Palmese, Plant Protection (18)
Frank J. Cipriano, P/S Supply Data (25)
John Strakosch, Des. Engg. Proj. Engg. (25)
Edward A. Wagner, Prog. Mgmt. A-6 (25)

D. E. Farabaugh

H. B. Charlton

V. Palmese

F. J. Cipriano

J. Strakosch

E. W. Wagner

M. Bray

E. A. Sandelin

H. P. Wenz

S. P. Popielaski

J. B. Aherne

J. A. Wallace

W. C. Craft

C. G. Layman

Begin sign-ups for Training's after-hours courses

The Corporate Training and Development Department of Grumman Aerospace is again offering a number of after-hours courses in the fall semester to help students expand their knowledge and brush up on their skills. Registration is by phone, starting 8 a.m., Tuesday, September 2, and continuing until 4:30 p.m., Friday, September 12. There are no fees or tuition charges.

The courses listed are available to all Grumman employees. For some courses there are prerequisites. Students need not fulfill a particular prerequisite by taking voluntary education courses; courses taken elsewhere or work experience can prepare a student for the more advanced courses.

For all courses, a minimum registration of 15 students is required.

Enrollment procedure

Enrollment is strictly voluntary. Students may register by calling the Voluntary Education Office at the extensions listed below. *Please note:* a specific phone extension is assigned for registrations for the day on which the course is given. Extensions listed below with an asterisk (*) will be connected *only during the registration period.*

Registration calls will be accepted each working day ONLY from 8 a.m., Sept. 2, through 4:30 p.m., Sept. 12, 1975.

Bethpage courses:

Monday evening courses — call Ext. 87521*

Tuesday evening courses — call Ext. 87522*

Wednesday evening courses — call Ext. 86860*

All Calverton courses — call Ext. 6886

Certificates will be issued to those students who have attended at least 80 percent of the sessions and have completed the required work in a creditable manner. Further information may be obtained by calling the Voluntary Education Office on Ext. 84044, or 575-1282* from outside Grumman.

Student cost

There are no fees or tuition charges; however, students are expected to purchase their own textbooks. Textbooks may be purchased anywhere, but, for students' convenience, the Voluntary Education Office will have textbooks available for purchase through the course instructor.

The following list of courses being offered by Corporate Training and Development includes title, course number, description of course, section number (if more than one section is being offered), instructor, location and time of class, and starting date. For registration, refer to title, course number and section (if more than one class offered.)

Other Helpful Information

Many worthwhile programs of study are also available at your local high schools. Your school district's Adult Education, BOCES, and VEEB programs offer a variety of courses at all levels. For more information, contact your local school district.

COMPUTER SCIENCES

Computer Programming — COBOL (FF00001 30 hrs)
Covers the COBOL language and its application to business problems. Topics to be included are: organization of a COBOL program, fundamentals of flow charting, COBOL language and usage, review of complier diagnostic messages, and class problems.
Prerequisite: Introduction to Computer Programming or equivalent.
Bernard Abrams, Room 112, Bethpage H.S., 5-7 p.m., Mon., Sept. 29.

Computer Programming, Introduction to (F00003 - 30 hrs)
Intended for those students who have had little or no exposure to computer programming, and who intend to take programming courses devoted to a particular language. Course includes: philosophies of programming, representation, presentation, and transfer of information, problem analysis, program organization, coding and an introduction to FORTRAN, COBOL, and PL/1.
Bernard Abrams, Room 112, Bethpage H.S., 5-7 p.m., Wed., Oct. 1.

Computer Programming — FORTRAN (FF00002 - 30 hrs)
Introduces the digital computer and its basic programming concepts utilizing FORTRAN IV, logic, and flow charting. Areas covered include computer applications, limitations, and the functions of its major components. Students will solve selected problems from engineering, applied science, and other fields on high speed electronic computers (IBM 1130).
Prerequisites: College Algebra or equivalent.
Joe Vosefski, Room 111, Bethpage H.S., 5-7 p.m., Wed., Oct. 1.

Computers: A Managerial Tool (FF01021 - 30 hrs)
The general concepts and characteristics of the hardware and software components of information processing systems are presented in addition to the processes and methodologies related to application development, system procurement, and management. Included are topics such as: industry personnel and organization, the system life-cycle, software make-or-buy, the software factory, and current state-of-the-art and industry trends.
Martin Blyseth, Room 111, Bethpage H.S., 5-7 p.m., Mon. Sept. 29.

ENGINEERING SCIENCES

Integrated Circuits for Engineers I (FF00329 30 hrs)
Introduction to integrated circuits manufacture and techniques, including their use in logic and computer design, microcircuit families, and linear circuits. Objectives of the course are to answer such basic questions as: What are ICs? What can they do? What are their limitations? How are they applied in the military and industrial consumer fields? Additional areas covered will include: cost versus results, inputs and outputs, and testing and fault-isolating techniques that can be used without impairing the IC.
Prerequisites: Knowedge of transistors and networks.
Val Sanford, Room 110, Bethpage H.S., 5-7 p.m., Mon. Sept. 29.

Stress Review for Engineers (FF00709 - 30 hrs)
The analysis of complicated structural components and assemblies such as bulkheads, fuselages, wings, and related connections. Advanced methods of stress analysis are used employing strain energy, virtual work, elastic centers. These complicated problems are computer oriented and are also analyzed by matrix and computer problems.
Prerequisites: Engineering degree (or equivalent)
T. Taglarine, Room 110, Bethpage H.S., 5-7 p.m., Wed. Oct. 1

Computer Methods in Structural Analysis I (FF01270 - 30 hrs)
This course is intended to introduce the student to basic concepts and applications of matrix methods for solving structural problems. The course will cover such topics as: elements of matrix algebra, the force method, and the stiffness of properties of various finite elements. Simple problems will be used to illustrate the various techniques. No previous knowledge of matrix algebra will be assumed although a basic understanding of material strength and structural analysis will be required.
P. Mason, Room 112, Bethpage H.S., 5-7 p.m., Tues. Sept. 30.

SKILLS DEVELOPMENT

Electricity I (FF00008 - 40 hrs)
This is the first in a series of courses in the Electrical-Electronics Training Program. Practical laboratory experiments, coupled with related theoretical concepts, develop proficiency in circuit fault-isolation of electronics equipment. Circuits constructed rapidly on vector boards are then tested and analyzed. Subjects covered in this course include: schematic diagram reading, electronics color codes, series and parallel circuits, and Kirchoffs Laws. Basic electrical test instruments, such as volt, ohm, milliameters, and oscilloscopes, are used throughout.
Steve Beisiadecki, Room 4, Plant 39, 4-7 p.m., Thurs. Oct. 2.

Electronics I (FF00010 - 40 hrs)
Power supply circuits and associated electrical-electronic components constitute the main subjects of this course. Operational theory and practice is provided in circuits such as: transformer and semiconductor power supplies, solid state logic, half-wave and full-wave supplies, voltage doublers, and solid-state bridges. Related math is taught, as required, with each experiment. Students also gain experience in the use of basic shop test instruments.
Robert Volino, Training Classroom, Great River, Plant 44, 4-7 p.m., Mon. Sept. 29.

Electronic Shop Techniques (FF00307 - 40 hrs)
This course instructs basic skills necessary for an electronic shop assembly and fabrication technician. Included are nomenclature, tooling, material identification, and pertinent specifications used for electronic assembly and fabrication. Attendees perform related practice hollowing demonstrations of methods and techniques by the instructors.
P. Pantelis, Room 4, Plant 39, 5-8 p.m., Wed. Oct. 1.

Basic Blueprint Reading (FF00048 - 30 hrs)
Instruction covers the fundamentals of print reading, including interpretation of an engineering drawing, dimensions and tolerances, surface finishes, bill of materials, drawing notes, manufacturing processes, and aircraft terminology.
Joseph DeLorenzo, Room 110, Bethpage HS, 5-7 p.m., Tues. Sept. 30.

Advanced Blueprint Reading (FF00105 - 30 hrs)
Involves more sophisticated, detailed, coverage of print reading, including in-depth analysis of engineering drawing interpretation, dimensions and tolerances, finishes, and manufacturing processes.
Prerequisites: Basic blueprint reading or equivalent.
Joseph DeLorenzo, Plant 27, library, 4-6 p.m., Wed. Oct. 1.

PERSONAL DEVELOPMENT

Secretarial Techniques (FF01163 - 30 hrs)
This course is designed for the secretary who wishes to update skills. Included in the course will be the typing of business letters, rough drafts, reports, internal communications, use of office reference materials, telephone communications, and general office procedures.
Majorie Wolfe, Room 116, Bethpage H.S., 5-7 p.m., Wed. Oct. 1

Reading Improvement (FF00020 - 33 hrs)
For the average or above average reader who wishes to read more efficiently. Through systematic classroom exercises, students will increase substantially their reading speed and comprehension.
George Ballard, Room 116, Bethpage H.S., 5-7 p.m., Mon. Sept. 29 (meets Mon./Wed.)

Typing, Beginners (FF00030 - 30 hrs)
For those who desire skill in typing. Through regular classroom practice and drill, students will acquire the necessary keyboard control essential to good typing techniques.
Claire Weiner, Room 109, Bethpage H.S., 5-7 p.m., Tues., Sept. 30.

High School Equivalency (FF00016 - 60 hrs)
Instruction, review, and preparation for taking the High School Equivalency test. Areas of concentration: Mathematics, Science, English, Social Studies.
Prerequisite: 18 years of age or older, out of school at least one year.
Larry Graham, Room 114, Bethpage H.S., 5-7 p.m., Mon., Sept. 29 (meets Mon./Wed.)
John White, Room 5, Training Complex (Plant 8), Calverton, 5-7 p.m., Mon. Sept. 29 (meets on Mon./Wed.)

Writing and Communication (FF-1173 - 30 hrs, formerly Industrial Writing)
This course is designed for those who really want to communicate through their writing. Offered are little-known mechanics of organizing what you want to say; of saying it effectively; and of presenting it in an easy-to-read format. Six lectures combed with nine workshops to give you practice as well as theory.
W. Fleischhauer, Room 114, Bethpage H.S., 5-7 p.m., Tues., Sept. 30.

letters

To the Editor:

In the PLANE NEWS you mention different club activities.

Although I am working only 13 months in Grumman Data Systems, I know that there are many deaf and hard-of-hearing people (like me) at Grumman. Is there a "get-together" Club for such people, or is it possible to have one formed? Perhaps an article can be printed in your paper asking if there are people interested.

Thank you for your co-operation.

Jewelle P. Weiner
Dept. 166
GDS
Ext. 2804 (ask for Kathy Duval)

Everybody's a winner in Mixed Pinehurst

There was no evidence of the huge throngs that usually line the fairways at traditional tournaments ... no leader-boards to keep golfers informed of how the rest of the field was doing ... no big prize fund to split after the last foursome finished play. It might even be said that never have so many swung so often (although with considerable vigor) for so long for so little.

And yet, the 64 men and women participating proved once again that Mixed Pinehursts have become as traditional at Grumman as some of the big classics have become to the professional golf world. It was the same during the most recent mixed tourney held on Wednesday, August 20, at Bethpage State Park. Thirty-two teams were entered in this, the third mixed tourney of the 1975 season, and though some didn't reach the clubhouse until dusk was settling over the land, they soon put aside their harrowing ordeal and joined the others in toasting the winners of the event — Nat Busi and Eileen Toomey, who combined for a 44 for nine holes on the Yellow course. Then, as tourney director Mike Cherry conducted proceedings, they settled back to await the selection of kickers prizes that are awarded by draw to participants, regardless of individual skills, as long as each team concludes play within a specified range.

And play they did. Some got their money's worth. While Lonnie and Irene Dennis registered a 46 and Helen Greiff and Pete Obedzinski carded 47, there were a spattering of 50s, a number of 60s, with a 68 acclaimed as the top score to aim at next season. But in the clubhouse later it was difficult to separate winners from losers. Since Mixed Pinehursts are staged to promote camaraderie and to encourage beginners to take up the sport, to this longtime observer at least, there wasn't a loser in sight.

Billiards, anyone?

Every Thursday night in September, the Grumman Athletic Association will be conducting pocket billiard clinics at the House of Lords Billiard Parlor on South Oyster Bay Road, Plainview. Sessions will start promptly at 5:15 p.m. and will be conducted by former Grumman pocket billiard champs John DeMarco, George Massey, and Cosmo Scura.

On Wednesday, September 3, there will be a meeting for all members — old and new — interested in the pocket-billiard handicap league. This kick-off meeting will be held in the Plant 28 lobby at 5 p.m.

Tournament Entry Form

☐ Paddleball ☐ Horseshoes ☐ Handball — Single ☐ Handball — Doubles

Name_____ Ext. _____

Plant_____ Dept._____ Perm. No. _____

Partner's Name: _____ Ext. _____

Plant_____ Dept._____ Perm. No. _____

Entry deadline, September 12
(Forward to GAA, Plant 30)

Super Suppa. Willie Suppa prepares to sink his final putt in the annual GAA championship tourney held at the Hampton C.C. Suppa won low gross honors by shooting 76. (Photo by Gerry Costello)

Suppa carves Hampton course for super four-over-par 76

It certainly will be a day to remember for many of the 111 participants in the annual GAA championship golf tourney at Hampton Country Club. Several duffers are still shaking their heads when they recall the neatly manicured rough: "Try to imagine 12-inch-high eel grass meticulously combed down level with the ground — I lost a dozen golf balls just in the rough."

Everyone conceded that the Hampton course was a good test of a golfer's skills so when tourney director Mike Cherry announced the low-gross winner of the day, everyone gave Willie Suppa a big hand. He deserved it — carving out a 76 on the par-72 course.

In seniors low-gross competition, John Malanczuk captured his second title (he won in '73) by beating out Howard Fraser who also shot 84 in a match-of-cards judgment.

Low-net play for men ended in a three-way tie with Pat Cherry, Don Waller Jr., and Jack Sullivan all scoring net 72s. Sullivan walked away with top honors after a match-of-cards. Low-net seniors division championship went to Fraser who finished with a net 73.

Elaine Ross was cited as the women's low-net queen, shooting a 75 under the Calaway handicap-scoring system. Second place was a three-way tie, with Kathy Housley, Eileen Toomey, and Elaine Merritt all scoring 77s. Housley beat out the two former tourney champs for second-place honors via match-of-scores.

By driving 250 yards, Bill Ryan captured the longest-drive contest, and Fraser picked up his second trophy of the day in the closest-to-pin competition, landing six feet away from the cup on the 150 yard eighth hole.

Autumn tourneys slated for Sept. 22

GAA has announced that play will start on Monday, September 22, in the annual paddleball, horseshoe, and handball tournaments. Applicants for the three tourneys are requested to fill in the form below and mail it to GAA, Plant 30 no later than Friday, September 12.

All applicants who do register for the tournaments will receive further instructions from GAA on time, location, and tournament rules.

GRUMMAN plane news

ADDRESS CORRECTION REQUESTED

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BETHPAGE, N.Y. 11714
PERMIT NO. 284

Vol. 34, No. 15, August 29, 1975, Bethpage, N.Y. 11714